

Research and Special Programs Administration 400 Seventh St., S.W. Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0501/S, REVISION 1

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency and the United States of America for the transport of radioactive materials.

- 1. Source Identification Amersham Model X.44.
- 2. Source Description The source approved by this certificate is a tungsten inert gas welded, single or double encapsulation constructed of Type 316 or 316L stainlesss steel. The outer capsule measures 26.7 mm (1.05") in length and has a diameter that tapers from 6.6 mm (0.26") to 2.54 mm (0.1"). If an inner capsule is used, it must be constructed of stainless steel, aluminium, or titanium. The entire source capsule must be constructed in accordance with Sentinel drawing no. R 87521 (attached).
- Radioactive Contents The source contains not more that 11 TBq (295 Ci) of solid metal Ir-192 or Co-60.
- 4. Quality Assurance Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
- 5. Expiration Date This certificate expires October 1, 2005.

<sup>1 &</sup>quot;Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990", published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

(-2-)

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This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated September 11, 2000 submitted by AEA Technology, Burlington, MA, and in consideration of other information on file in this Office.

| Certified by                | SEP 2 7 2000 |
|-----------------------------|--------------|
| Robert A. McGurre           | (DATE)       |
| Associate Administrator for | (2)          |
| Hazardous Materials Safety  |              |

Revision 1 - Issued to extend the expiration date.

